

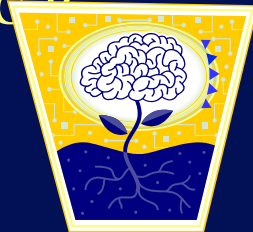


Evolution of the VV&A TWG: A TWG Structure to Resolve Issues and Concerns

03 March 2004

NAVMSMO VV&A TWG 16

NAVMSMO VV&A Lead





Background: Creation of the TWG



● The NAVMSMO M&S VV&A TWG was created in order to:



Identify a common VV&A community



Disseminate the VV&A concept throughout the Navy M&S community.



Identify common issues associated with VV&A.



Facilitate equitable solutions to recurrent VV&A issues.

NAVMSMO has created the M&S VV&A Technical Working Group (TWG) in order to

- 1) Identify the VV&A community
- 2) Disseminate the concept of VV&A throughout the Navy M&S community.
- 3) Identify the concerns of the M&S community associated w/VV&A.
- 4) Facilitate the solution of recurrent issues.

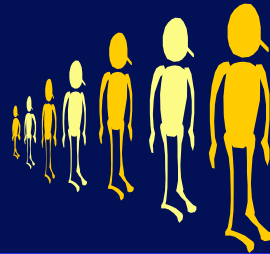


Step 1:

Identify the VV&A Community



- **Community (n):**
 - 1) *A group of people having common interests.*
 - 2) *A group viewed as forming a distinct segment of society.*
- **Before any work can commence, the community must be clearly identified.**



The first order of business for NAVMSMO VV&A has been the identification of the M&S VV&A community. The importance of defining this community was critical as the dissemination of the VV&A concept hinges upon the recognition and participation of its practitioners.



The VV&A Community: Defining the VV&A Community



| Civil Community | VV&A Community |
|-------------------------|---------------------|
| Common set of people | M&S VV&A |
| Single central language | VV&A Requirements |
| Common set of rules | DOD/DON Directives |
| Similar philosophy | “Want credible M&S” |



If we consider the M&S VV&A effort from a social perspective, this identification can be seen as the cultural identification of:

1. A common set of people who
2. Speak a single central language (with several dialects),
3. Obey a common set of loose rules
4. And generally espouse a similar philosophy.

From a program perspective, this translates to:

1. A common M&S community who
2. Generally understands the requirement for VV&A
3. Follows the DOD and DON directives
4. And espouses the same mantra of “credible M&S”.



Step 2:

Building the Community



- **Disseminating the VV&A Concept**
 - SECNAVINST 5200.40
 - The DON M&S VV&A Implementation Handbook
- **Sharing the Benefits of VV&A to M&S Developers**
 - M&S credibility and the need for documented proof of efficacy.
- **Finding Commonality**
 - Presentations on various M&S programs and their VV&A efforts.
- **Encouraging Participation in VV&A Standardization**
 - Evaluation of Navy SNDs (SECNAVINST 5200.40A and the DON M&S VV&A Handbook Vol. I: Overview).



Now that we have identified the M&S VV&A community, it was now necessary to build this community by creating a common understanding of the VV&A Concept.

The VV&A TWG has aided in promulgating the VV&A concept over the last four years by:

1. Bringing VV&A mandates and implementation guidance to VV&A implementers through SECNAVINST 5200.40 and the DON M&S VV&A Implementation Handbook
2. Sharing the benefits of VV&A to create credibility in M&S across the Navy
3. Finding commonalities in VV&A efforts through TWG presentations and
4. Encouraging participation in VV&A standardization (SNDs).



Step 3: Identifying Common Issues



- Through the TWGs, NAVMSMO M&S VV&A has been able to identify several areas of concern, as identified by VV&A community participants.
- The TWG has tracked these issues over the last several years in order to find the commonalities and recurrent nature of these areas of concern.
- These concerns are generally program-specific or areas that are not thoroughly solved by the SECNAVINSTs and Handbooks.



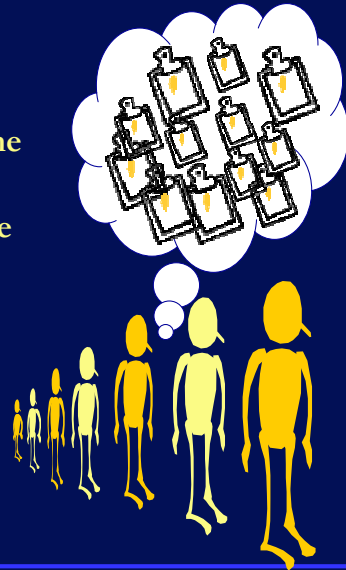
This dissemination of the TWG Concept has also been vital in identifying those areas of concern brought by TWG participants. The TWG has tracked these issues in order to find commonalities and recurrent themes. On the whole, we have found these concerns to be generally program-specific or areas that are not thoroughly resolved by DON policy.



Crossroads: Addressing Recurrent Needs



- M&S has evolved greatly over last several years.
- Outstanding issues of specific M&S organizations and programs captured by the TWG have common themes.
- These Navy-wide, recurrent issues require resolutions.
- Who addresses these needs?



M&S has evolved greatly over the last several years. Thus, it is not surprising that the needs of VV&A have grown with it. As with any expansion, growing pains are inevitable. Over the last several years, NAVMSMO VV&A has identified outstanding issues of specific M&S organizations and programs as captured by the TWG and we have found that many of these issues have common themes. If these Navy-wide issues require heretofore unfound resolution, who will address these needs?



TWG:

Working Toward Equitable Solutions



- By its definition, the TWG is an ideal forum for addressing these issues.

Technical: *Having special skill or practical knowledge used in or peculiar to a specific field or profession; specialized*

Working: *Physical or mental effort or activity directed toward the production or accomplishment of something*

Group: *An assemblage of persons or objects gathered or located together; an aggregation*

- Hence...

By its very definition, the TWG is the ideal forum to address these issues and to work towards equitable solutions for these problems. Hence...



The Evolution of the TWG to Address Outstanding Issues



We propose the evolution of the TWG from an information-sharing group to also include the analysis and solution of outstanding VV&A implementation issues. I will now discuss a proposal to transform the TWG into an issue-solving body.



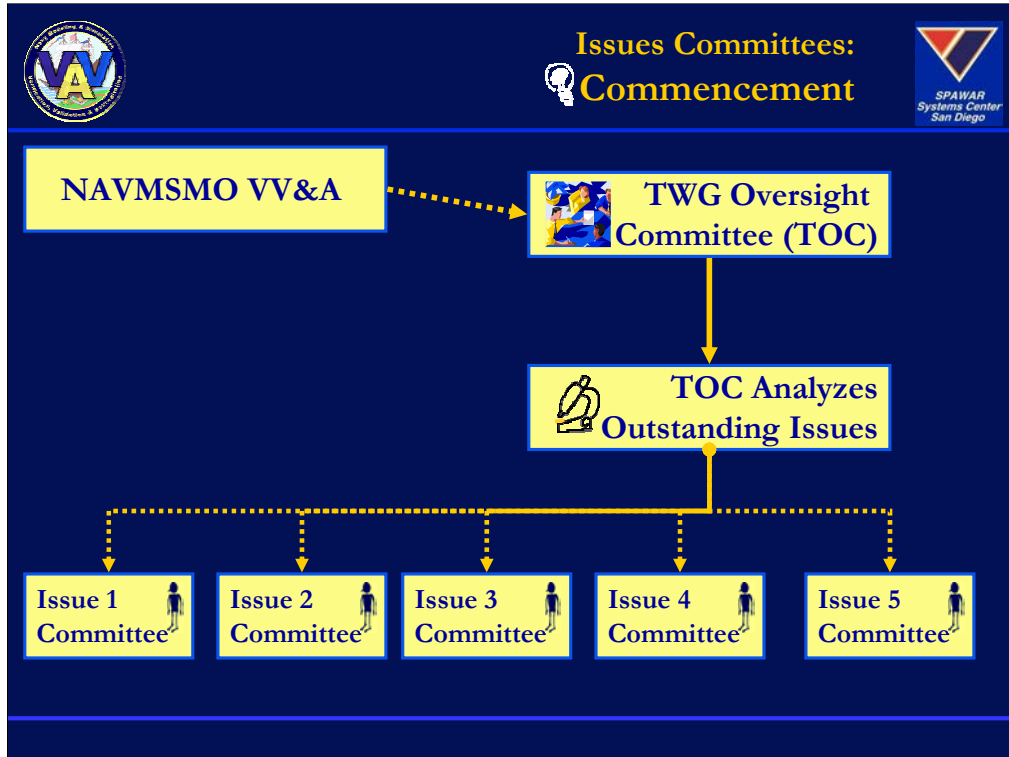
- To sort and analyze these M&S-specific issues by leveraging the diverse composition of the VV&A TWG Community.
- To formulate equitable solutions to common concerns.



As mentioned earlier, the composition of VV&A TWG Community encompasses a broad spectrum of M&S participants. And, many of the questions posed in the TWGs by individual programs often contain common themes.

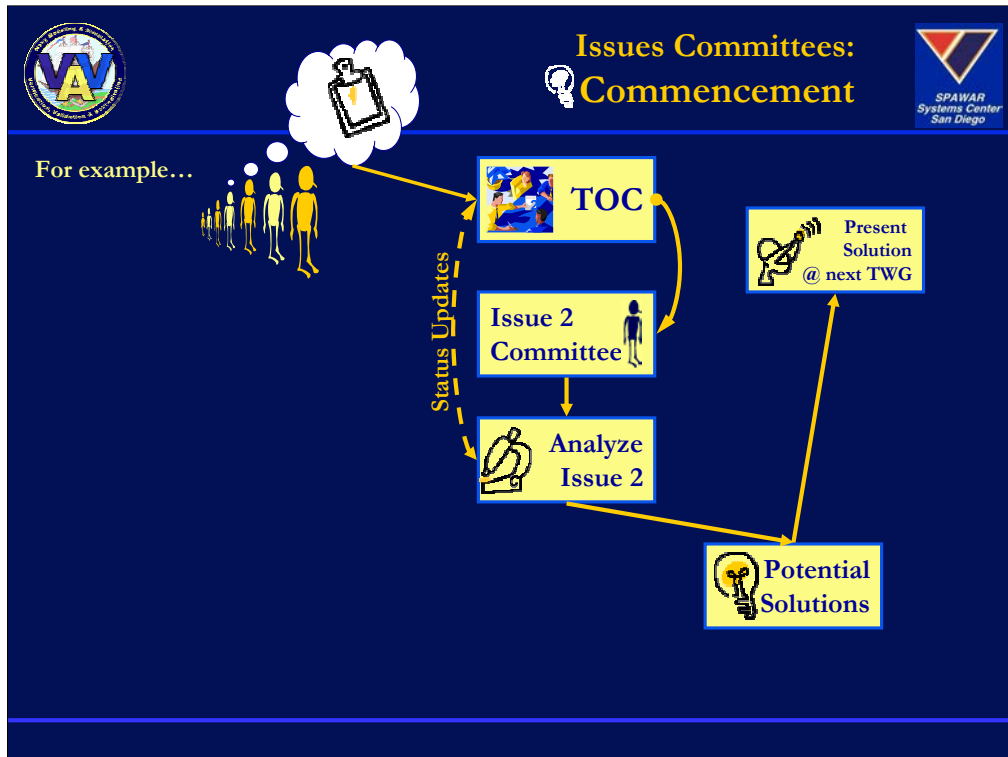
The TWG has the unique opportunity to bring these otherwise unconnected M&S efforts together to find common solutions by shifting its purpose to encompass issues resolution.

Some examples of common areas may be: predictive M&S, the accreditation of legacy M&S, etc.



How do we commence this transformation? NAVMSMO VV&A will create a TWG Oversight Committee that analyzes issues brought to light by the TWGs.

Once the TOC establishes common issues that hold relevance, these issues (1-x) are assigned to Issue Committees, comprised of M&S and VV&A participants in the problem area's field, who will study and attempt to resolve their specific issue. By bringing together these diverse sub-communities to work on a common problem, new clarity and new ideas can blossom into new solutions.

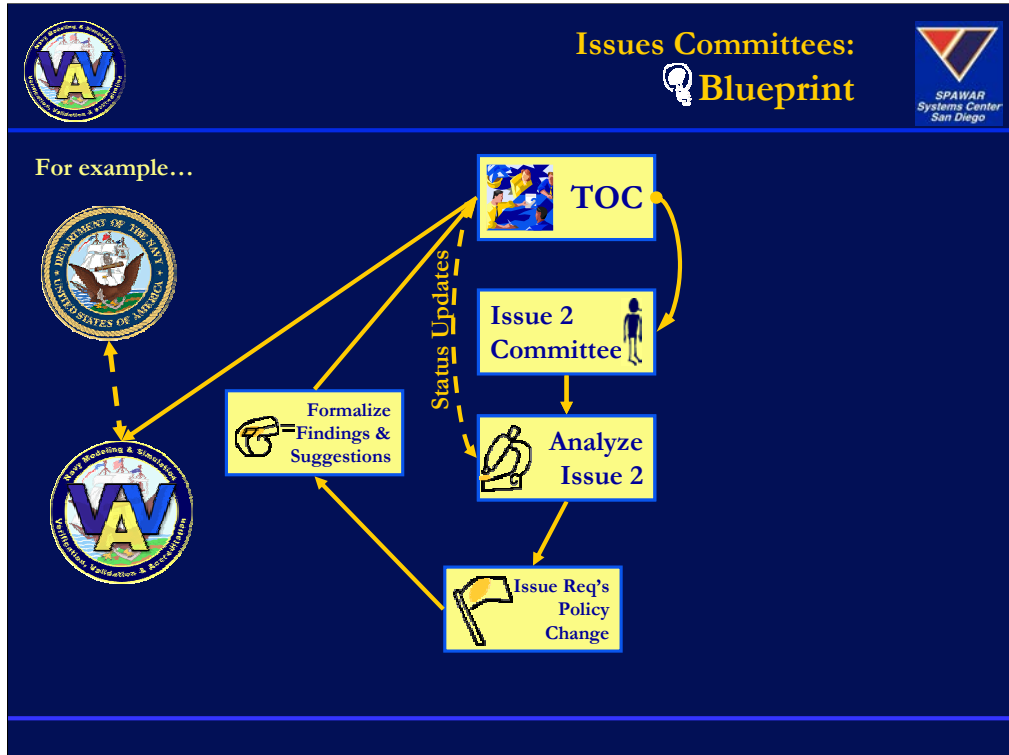


From a social-sciences perspective, the proposed VV&A Issues Council resembles an abbreviated view of the US government.

Particular issues are raised by the community. In order to meet the constituents' needs, the Legislative Branch forms committees to research and analyze the issues. This analysis produces a set of proposed solutions. The solutions are then brought back to the Congressional Floor for approval and disseminated to the community upon the signature of the Executive Branch.

Similarly:

1. Individual issues brought to light by the M&S VV&A community
2. The TWG Oversight Committee reviews the issues and sends them to the committees for analysis (For instance, Issue Committee 2)
3. Issues Comm 2 provides the TOC w/status updates.
4. If there are solutions, the committee formulates these suggestions and,
5. Presents the at the following TWG.



If the analysis proves to require a policy change or cannot otherwise be resolved:

1. Issue Committee 2 formalizes its finding and provides suggestions for its resolution
2. This report is sent to the TOC, who then
3. Sends it on to NAVMSMO VV&A will will
4. Seek out resolution from the appropriate DON organizations.

As the number of committees are driven by the number and nature of the issues, these committees will be driven by voluntarily participation. This less structured format ensures that issues will deliberated as needed.



The Issue Committees will meet as needed to analyze their issues, create solutions, and report our their progress to the Oversight Committee and/or TWG. An open dialogue with the TOC assures solutions to additional questions, calls for extra support, etc.



The TWG Issues Council: Development ?'s



The development of this proposal hinges on the M&S and VV&A communities' input...

- Organization/Structure
- Participants
- Identification of Issues
- Mechanisms for enacting issue coordination
- Support
- Your program's specific areas of concern are always welcome!

Participants: As the TWG Council is dependent upon the interest and participation, your input is greatly encouraged and appreciated.

ID'ing Issues: Currently, VV&A is compiling a list of recurrent issues from past TWGs, N81, the Marine Corps, and various other sources. Further issues are always welcome.

Support: The TWG Council is a unique opportunity to actively seek out solutions to your VV&A needs. Conversely, the TWG Council is also dependent upon the buy-in of the M&S and VV&A communities.



The TWG Issues Council: Q&A and POC



- Questions?
- For further information, please contact:
vva@navmsmo.hq.navy.mil